

Abstract

5 The invention relates to a radial piston pump (1) for
high-pressure fuel generation in fuel injection systems
of internal combustion engines, in particular in a
common rail injection system, having a drive shaft (4)
which is mounted in a pump casing (2) and has an
10 eccentric shaft section (6) on which a running roller
(8) is mounted, and having preferably a plurality of
pistons (16), which are arranged in a respective
cylinder (14) radially with respect to the drive shaft
(4) and each have a piston footplate (18), which makes
15 contact with the circumferential surface (10, 12) of
the running roller (8), at their ends facing the
running roller (8).

The invention provides that at least that surface (28)
20 of the piston footplate (18) which is in contact with
the circumferential surface (10, 12) of the running
roller (8) consists of a wear-resistant material,
namely of hard metal, a ceramic material, a cast
carbide material, or cermet.

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Fig. 1